## WHAT IS CLAIMED IS:

- 1. A storage system comprising:
- a movable accessor; and
- a cartridge transport device configured to move a plurality of cartridges along a path, wherein the path includes a front side and a back side with respect to the movable accessor; wherein:
  - the movable accessor is configured to access a first group of the plurality cartridges from the front side of the path, and
  - the cartridge transport device is operable to move the first group of the plurality of cartridges to the back side of the path to allow the movable accessor to access a second group of the plurality of cartridges; and the movable accessor is operable to move toward the second group of the plurality of cartridges while the cartridge transport device is operating.
- 2. A storage system according to Claim 1 further comprising: a position sensor coupled to detect the position of the transport device; and a controller coupled to the position sensor, wherein the controller is configured to determine whether to operate the transport device to provide access to a particular one of the plurality of cartridges.
- A storage system according to Claim 1 further comprising:
  inventory control logic operable to maintain identity and location information for each of the plurality of cartridges.
- 4. A storage system according to Claim 1 wherein the transport device includes:
  - a conveyor belt;
  - a drive member configured to move the conveyor belt; and
  - a drive motor coupled to receive drive command signals from the controller and to actuate the drive member.

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- 5. A storage system according to Claim 4 wherein each end of the conveyor belt includes a hinge portion that can be fastened to install the conveyor belt in the transport device.
- A storage system according to Claim 1 wherein the position sensor is one of the group of an optical, mechanical, magnetic, and electronic sensor.
  - A storage system according to Claim 4 wherein the conveyor belt includes:
    a plurality of connectors configured to attach the plurality of cartridges to the conveyor belt.
  - A storage system according to Claim 1 further comprising:
    a mounting system installable in an enclosure, wherein the mounting system is capable of supporting at least a portion of the transport device.
  - 9. A storage system according to Claim 8, further comprising: a magazine configured to store at least of portion of the plurality of cartridges; wherein the mounting system includes at least one support member, and a magazine guide attached to the at least one support member.
- 10. A storage system according to Claim 9 wherein the transport device is further configured to move the plurality of magazines through the magazine guide.
- 11. A storage system according to Claim 10 wherein the magazine guide includes a reference edge configured to engage a reference guide on the magazine.
- 12. A storage system according to Claim 9 wherein the magazine guide includes a roller coupled to the drive member, and the roller includes a flange at one end that is configured to retain a conveyor belt.
- 13. A storage system according to Claim 12 further comprising a drive member, wherein the drive member is coupled to a keyed rod, and the keyed rod is inserted through a slotted opening in the roller.

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- 14. A storage system according to Claim 8 wherein the mounting system includes a roller coupled to the magazine guide on an adjustable mount, and the adjustable mount facilitates installation of the transport device on the mounting system.
- 15. A storage system according to Claim 8 wherein the mounting system is vertically stackable to another mounting system.
- 16. A storage system according to Claim 1, wherein the path is substantially horizontal.
- 17. A storage system according to Claim 1, wherein the path is substantially vertical.
  - 18. A method for operating an automated storage system comprising: configuring a first plurality of cartridges along a first side of a path; configuring a second plurality of cartridges along a second side of the path; receiving a request to access a particular cartridge; and moving an accessor toward the particular cartridge; and moving the cartridges along the path to allow the accessor to access the particular cartridge.
  - 19. A method according to Claim 18 further comprising: maintaining identity and location information for the particular cartridge.
- 20. A method according to Claim 19, wherein a plurality of cartridges are storable in a magazine, the method further comprising:

maintaining identity and location information for the plurality of cartridges; and determining which of the plurality of cartridges to access to fulfill the request for the particular item.

21. A storage system comprising:a first set of storage means on a first side of a storage wall;a second set of storage means on a second side of a storage wall;

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- transport means connected between the first side and the second side of the storage wall;
- logic means for determining when to operate the transport means to move a portion of the first set of storage means to the second side of the storage wall; and
- a movable accessor operable to move independently of the transport means to access the portion of the first set of storage means from the first side of the storage wall.
- 22. A computer product for managing a storage system comprising:
- control logic operable to control a transport mechanism to move an assembly of storage components in the storage system from one side of a storage wall that is not accessible by an access device to another side of the storage wall that is accessible by the access device; and
- control logic operable to re-locate a movable access device along the other side of the storage wall to access the storage components.
- 23. A computer product according to Claim 22 further comprising: control logic operable to maintain separate logical storage libraries with subgroups of the storage components.
- 24. A computer product according to Claim 22 further comprising: control logic operable to maintain inventory records of storage components in the storage system.
- 25. A computer product according to Claim 22 further comprising: control logic operable to control physical access to the storage components.